

SCORE Search Results Details for Application 10552515 and Search Result 20081001_124602_us-10-552-515-1.rai

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This page gives you Search Results detail for the Application 10552515 and Search Result 20081001_124602_us-10-552-515-1.rai.

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OM protein - protein search, using sw model

Run on: October 1, 2008, 12:45:51 ; Search time 587 Seconds
(without alignments)
324.920 Million cell updates/sec

Title: US-10-552-515-1

Perfect score: 4950

Sequence: 1 MRMAATAWAGLQGPPLPTLC.....SELSSHWTPFTVPKASQLQQ 933

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1246758 seqs, 204424485 residues

Total number of hits satisfying chosen parameters: 1246758

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /ABSS/Data/CRF/ptodata/2/iaa/5_COMB.pep:*
- 2: /ABSS/Data/CRF/ptodata/2/iaa/6_COMB.pep:*
- 3: /ABSS/Data/CRF/ptodata/2/iaa/7_COMB.pep:*
- 4: /ABSS/Data/CRF/ptodata/2/iaa/H_COMB.pep:*
- 5: /ABSS/Data/CRF/ptodata/2/iaa/PCTUS_COMB.pep:*
- 6: /ABSS/Data/CRF/ptodata/2/iaa/RE_COMB.pep:*
- 7: /ABSS/Data/CRF/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

%

| Result No. | Score | Query | | | | Description |
|---------------|--------|-------|--------|----|----------------------|-------------------|
| | | Match | Length | DB | ID | |
| 1 | 1531.5 | 30.9 | 920 | 2 | US-10-104-047-2574 | Sequence 2574, Ap |
| 2 | 1154 | 23.3 | 596 | 2 | US-10-104-047-2541 | Sequence 2541, Ap |
| 3 | 912.5 | 18.4 | 475 | 2 | US-10-104-047-3116 | Sequence 3116, Ap |
| 4 | 905 | 18.3 | 642 | 3 | US-10-108-260A-4483 | Sequence 4483, Ap |
| 5 | 796 | 16.1 | 425 | 2 | US-09-270-767-45552 | Sequence 45552, A |
| 6 | 684.5 | 13.8 | 483 | 3 | US-10-108-260A-3990 | Sequence 3990, Ap |
| 7 | 594.5 | 12.0 | 660 | 3 | US-10-108-260A-3644 | Sequence 3644, Ap |
| 8 | 455.5 | 9.2 | 257 | 3 | US-10-100-683-7209 | Sequence 7209, Ap |
| 9 | 455.5 | 9.2 | 257 | 3 | US-11-001-793-7209 | Sequence 7209, Ap |
| 10 | 411.5 | 8.3 | 393 | 3 | US-09-876-997-457 | Sequence 457, App |
| 11 | 411.5 | 8.3 | 393 | 3 | US-10-643-836-457 | Sequence 457, App |
| 12 | 396.5 | 8.0 | 215 | 2 | US-09-270-767-61064 | Sequence 61064, A |
| 13 | 353 | 7.1 | 366 | 2 | US-09-270-767-32253 | Sequence 32253, A |
| 14 | 353 | 7.1 | 366 | 2 | US-09-270-767-47470 | Sequence 47470, A |
| 15 | 290 | 5.9 | 189 | 2 | US-09-270-767-31816 | Sequence 31816, A |
| 16 | 290 | 5.9 | 189 | 2 | US-09-270-767-47033 | Sequence 47033, A |
| 17 | 255.5 | 5.2 | 199 | 2 | US-09-270-767-31722 | Sequence 31722, A |
| 18 | 255.5 | 5.2 | 199 | 2 | US-09-270-767-46939 | Sequence 46939, A |
| 19 | 186.5 | 3.8 | 166 | 2 | US-09-621-976-4064 | Sequence 4064, Ap |
| 20 | 117 | 2.4 | 548 | 1 | US-08-676-279-50 | Sequence 50, Appl |
| 21 | 117 | 2.4 | 548 | 2 | US-08-903-139B-8 | Sequence 8, Appli |
| 22 | 117 | 2.4 | 548 | 2 | US-08-637-823B-25 | Sequence 25, Appl |
| 23 | 117 | 2.4 | 548 | 2 | US-09-614-957D-25 | Sequence 25, Appl |
| 24 | 115.5 | 2.3 | 2013 | 1 | US-08-324-977-12 | Sequence 12, Appl |
| 25 | 115.5 | 2.3 | 2013 | 1 | US-08-384-616-12 | Sequence 12, Appl |
| 26 | 115.5 | 2.3 | 2013 | 1 | US-08-904-686A-12 | Sequence 12, Appl |
| 27 | 115.5 | 2.3 | 2013 | 2 | US-09-315-850-12 | Sequence 12, Appl |
| 28 | 115.5 | 2.3 | 3010 | 1 | US-08-324-977-2 | Sequence 2, Appli |
| 29 | 115.5 | 2.3 | 3010 | 1 | US-08-324-977-14 | Sequence 14, Appl |
| 30 | 115.5 | 2.3 | 3010 | 1 | US-08-384-616-2 | Sequence 2, Appli |
| 31 | 115.5 | 2.3 | 3010 | 1 | US-08-384-616-14 | Sequence 14, Appl |
| 32 | 115.5 | 2.3 | 3010 | 1 | US-08-904-686A-2 | Sequence 2, Appli |
| 33 | 115.5 | 2.3 | 3010 | 1 | US-08-904-686A-14 | Sequence 14, Appl |
| 34 | 115.5 | 2.3 | 3010 | 2 | US-09-315-850-2 | Sequence 2, Appli |
| 35 | 115.5 | 2.3 | 3010 | 2 | US-09-315-850-14 | Sequence 14, Appl |
| 36 | 113.5 | 2.3 | 631 | 3 | US-10-369-493-12179 | Sequence 12179, A |
| 37 | 112.5 | 2.3 | 1107 | 3 | US-11-216-782-11586 | Sequence 11586, A |
| 38 | 110.5 | 2.2 | 680 | 2 | US-09-725-735A-19 | Sequence 19, Appl |
| 39 | 110.5 | 2.2 | 680 | 3 | US-10-457-452-19 | Sequence 19, Appl |
| 40 | 108.5 | 2.2 | 523 | 2 | US-09-949-016-11540 | Sequence 11540, A |
| 41 | 108.5 | 2.2 | 578 | 2 | US-09-052-753B-7 | Sequence 7, Appli |
| 42 | 106 | 2.1 | 539 | 2 | US-09-248-796A-16542 | Sequence 16542, A |
| 43 | 105 | 2.1 | 1089 | 2 | US-10-012-231A-102 | Sequence 102, App |
| 44 | 105 | 2.1 | 1089 | 2 | US-10-015-389A-102 | Sequence 102, App |
| 45 | 105 | 2.1 | 1089 | 2 | US-10-006-768A-102 | Sequence 102, App |

ALIGNMENTS

RESULT 1

US-10-104-047-2574

; Sequence 2574, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2574
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-104-047-2574

Query Match 30.9%; Score 1531.5; DB 2; Length 920;
Best Local Similarity 37.9%; Pred. No. 4.1e-157;
Matches 360; Conservative 168; Mismatches 316; Indels 105; Gaps 29;

Qy 44 TSSGSHCARSRMLRRRAQEEDSTVLID---VSPPEAE----KRGSGT---AHASEP 91
:||| :::: | :| :| | ||| : |: ||| | |
Db 4 SSSGITNGKTKVFHPVA--KDVNILFDELEAVSSPCKDDSSLHPGNLTSTSDDASRLEA 61

Qy 92 GGQQAAACRAGS----PAKPRIADFVLVWEEDLKLDRQQDSAARDRTDMHRTWRETFLD 146
||: : | || |::||: : : :||: || |
Db 62 GGETVPERNKSNGLYFRDGKCR-DYILVYRK-----SNPQTEK---REVFER 105

Qy 147 NLRAAGLCVDQQDVQDGNTTVHYALLSASAWAVLCYYAEDRLKLPLQE---LPNQASNW 202
|:||| || :::: |: : | || | || ||| : ::::| : || :
Db 106 NIRAEGLQMEKESSLI-NSDIIFVKLHAPWEVLGRYAEQMNRMPFRKIYLPRRYKFM 164

Qy 203 S-----AGLLAWLGIPNVLL--EVVPDVPP-EYYSCRFRVNKLPRFLGSDNQDTFFTST 253
| : | || : | | :||: : |: | :: |: ||| :|| :| :|| :|
Db 165 SRIDKQISRLRRWPKPMRLDKETLPDLEENDCYTAPFSQQRHHFI-IHNKETFFNNA 223

Qy 254 KRHQILFEILAKTPYGHKEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQR 313
| :|: | : | | || :||:|| | ||| ||| :| ::: | | |
Db 224 TRSRIVHHILQRIKY-EEGKNKIGLNRLLTNGSYAAFPLHEGSYRSKNSIRTHGAENHR 282

Qy 314 QVLFQHWRWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTFLVGCF 373
:||: | | || | ||||| ||| ||| :| ||| ||| :| | ||| :| | | |
Db 283 HLLYECWASWGVWYKYQPLDLVRRYFGEKIGLYFAWLGWYTGMLFPAAFIGLFVFLYGV 342

Qy 374 LVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMAL 432
: ::|:| : | |||:| ||| ||| :| |: |||:| |||:|| | | |:|

| | | | |
|----|-----|---|-----|
| Db | 343 | TLDHSQVSKEVCQATDII-MCPVCDKYCPFMRLSDSCVYAKVTHLFNDNGATVFFAVFMAV | 401 |
| Qy | 433 | WAVLLEWKRKSATLAYRWDCSDYEDTEERPRPQFAAS-APMTAPNPITGEDEPYFPER | 491 |
| Db | 402 | WATVFLFWKRRRAVIAYDWDLIDWEEEEEEIRPQFEAKYSKKERMNPISGKPEPYQAF | 461 |
| Qy | 492 | SRARRMLAGSVVIVVMVAVVMCLVSIILYRAIMAIVVSRSRGNTLLA-AWA----SRIA | 545 |
| Db | 462 | DKCSRLIVSASGIGFMICVVIAAVFGIVIYRVVTV-----STFAAFKWLIRNNNSQVA | 514 |
| Qy | 546 | SLTGSVV--NLVFILILSKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSP | 603 |
| Db | 515 | T-TGTAVCINFICIIMLLNVLYEKVALLTNLEQPRTESEWENSFTLKMFLFQFVNLSST | 573 |
| Qy | 604 | VYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVL | 662 |
| Db | 574 | FYIAFFLGRFTGHPGAYLRLINRWRLEECHPSGCLIDLQCMQMGIMVLUKQTWNMFELGY | 633 |
| Qy | 663 | PKLKGGWWQKFRLRSKKRAGASAGASQGPWEDDYELVPCE--GLFDEYLEMVLQFGFVT | 720 |
| Db | 634 | PLIQNWWTR---RKVRQEHGPERKISFPQWEKDYNLQPMNAYGLFDEYLEMILQFGFT | 690 |
| Qy | 721 | FVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVIS | 780 |
| Db | 691 | FVAAFPPLAPLALLNNIEIRLDAYKFVTQWRRPLASRAKDIGIWYGILEGIGILSVIT | 750 |
| Qy | 781 | AFLLAFFSSDFLPRAYYRW-----TRAHDLRGFLNFTLA-----RAP | 816 |
| Db | 751 | AFVIAITSDFIPRLVYAYKYGPGCAGQGEAGQKCMVGYVNASLSVFRISDFENRSEPESDG | 810 |
| Qy | 817 | SSFAAAHNRTCRYRAFRDDG-----YSQTYWNLLAIRLAFVIVFEHVVFSVGRLLDL | 871 |
| Db | 811 | SEFSGTPLKYCRYRDYRDPPHSLVPYGYTLQFWHVLARLAFIVFEHLVFCIKHLISY | 870 |
| Qy | 872 | VPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDEQPKGSELSSHW | 920 |
| Db | 871 | IPDLPKDLRDRMRREKYLIQEMMYEAEELERLQKERKERKKNGKAHHNEW | 919 |

RESULT 2

US-10-104-047-2541
; Sequence 2541, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full I
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2541
; LENGTH: 596
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2541

Query Match 23.3%; Score 1154; DB 2; Length 596;
Best Local Similarity 41.3%; Pred. No. 3.9e-116;
Matches 250; Conservative 108; Mismatches 194; Indels 54; Gaps 14;

Qy 416 RLFDHGGTVFFSLFMALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAAS-APM 474
 ||::| ||||:|||:|||:||| : ||:|||: | :|| | | |:|||:||| | :
 Pb 61 HLFNDNGATVFEAVEMAWATVFEFWKRBBAVIAYDWDLIDWFFFFFIRPOFEAKYSKK 120

DS 01 THE DNGAT VI PAVI MAHVAT VI LELI WRRKRAV IATI DWELWELLELLELIRI QI PLARTSKA 120

QY 473 TAPNPITIGEDEFPIF PERSRARRMILAGSVVIVVMVAVVVMCLVSTILIRATMAIVVSRSQ 554
 |||:|: ||| : |:: : | |: ||: : |::|| : :
 Db 121 ERMNPISGKPEPYOAFTDKCSRLIVSASGIGFMICVVIAAVFGIVIYRVVTV-----S 173

Db 174 TFAAFKWLIRNNNSQVAT-TGTAVCINFCIIMLLNVLYEKVALLTNEQPRTESEWENS 232

Db 233 FTLKMFQFVNLSSTFYIAFFLGRFTGHPGAYLRLINRWRLLEECHPSGCLIDLCMQMG 292

Db 293 IIMVLKQTWNNFMELEYPLIQNWTR---RKVRQEHGPERKISFPQWEKDYNLQPMNAYG 349

Db 350 LFDEYLEMILQFGFTTIFVAAFFPLAPLLALLNNIIEIRLDAYKFVTQWRRPLASRAKDIG 409

764. IWEHILAGI THI AVISNAELLAESSDEI PPAVYRW-----TRAHDILRGELNETLA 813

Db 410 IYGILEGIGILSVITNAFVIAITSDFIPRLVYAYKYGPCAGQGEAGQKCMVGYVNASLS 469

QY 814 -----RAPSSFAAAHNRTCRYBAFRDDGH----YSOTYWNILATRIALAEV 854

Db 470 VFRISDFENRSEPESDGSEFSGTPLKYCRYRDYRDPPHSLVPYGYTLQFWHVLAARLAFI 529

Qy 855 IVFEHVVFSVGRLLDLLVPDIPESVEIKVKREYYLAKQALAEVLFGTNGTKDEQPKGS 914

Db 530 IVFEHLVFCIKHLISYLI^PDLPKDLRDRMRREKYL^IQEMMYEAE^LERL^QKERKERKKNGK 589

QY 915 ELSHW 920
: |
PL 500 11111111 505

RESULT 3

US-10-104-047-3116

; Sequence 3116, Application US/10104047

; Patent No. 6943241

GENERAL INFORMATION:

; APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 6943241el full length cDNA

; FILE REFERENCE: H1-A0105

; CURRENT APPLICATION NUMBER: US/1

; CURRENT FILING DATE: 2002-03-25

; PRIOR APPLICATION NUMBER:

; PRIOR FILING DATE:

; NUMBER OF SEQ ID NOS: 4096

SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 3116

; LENGTH: 475

; TYPE: PRT

; ORGANISM: *Homo sapiens*

US-10-104-047-3116

Query Match 18.4%; Score 912.5; DB 2; Length 475;
Best Local Similarity 38.0%; Pred. No. 7e-90;
Matches 202; Conservative 89; Mismatches 143; Indels 97; Gaps 12;

| | | | |
|----|-----|--|-----|
| Qy | 430 | MALWAVLLLEYWKRSATLAYERWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFP | 489 |
| | | : : : : : : : | |
| Db | 1 | MAVWATVFLEFWKRRRAVIAYDWDLIDWEEEE----- | 32 |

Qy 544 IASLTGSVV--NLVFILILSKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFS 601
 :|:||:| | |::|: :| :| :|| | |||:::| :||| :| :||| |
 Pb 68 VAT-TGTAVCINFCTIMLIILNVLYEKVALLTNLFOPRTESEWENSFTLKMFLFOVNLS 126

Qy 602 SPVYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEY 660
 | | || | || |:|| | | | || || || || |:|| :: :|| || || || |:
 Pb 127 STEYIAFFLGRFTGHPGAYLRI.TNRWRI.FECHPSGCI.LDI.CMOMGTIMVL.KOTWNNEFEL 186

RESULT 4

US-10-108-260A-4483

; Sequence 4483, Application US/10108260A

; Patent No. 7193069

GENERAL INFORMATION

APPLICANT: HELIX RESEARCH INSTITUTE

TITLE OF INVENTION: No. 7193069el full length cDNA

; FILE REFERENCE: H1-A0106

; CURRENT APPLICATION NUMBER: US/10/108,260A

; CURRENT FILING DATE: 2002-03-27

; NUMBER OF SEQ ID NOS: 5458

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 4483

LENGTH: 642

TYPE: PRT

ORGANISM

11S-10-108-260A-4483

33 43 433 2331 1103

Query Match 18.3%; Score 905; DB 3; Length 642;
Best Local Similarity 35.4%; Pred. No. 7.8e-89;
Matches 222; Conservative 106; Mismatches 219; Indels 80; Gaps 17;

| | | | |
|----|----------------------|---|----|
| Qy | 26 | GLYCRDQAHAAERWAMT--SETSSGSHCARSRMLRRRAQEEDSTVLIDVSPPEAKRGSY | 83 |
| | : : : : | | |
| Db | 24 | GLYFRDGRRKVVDYILVYHHKRPSG----NRTLVRRVQHSDTP-----SGA | 64 |

| | | | |
|----|----|--|---------|
| Qy | 84 | STAHASEPQQQAAACRAGSPAKPRIADFVLVWEEDLKLDRQDSAARDRTDMHRTWRET | 143 |
| | : | : : | : : |
| Db | 65 | RSVKQDHPLPGKGASLDAGSGEPP-----MDYHEDD-----KFRREE | 102 |

| | | | |
|----|-----|--|-----|
| Qy | 144 | FLDNLRRAAGLCVDQQDVQDGNTTVH--YALLSASWAVLCYYAEDLRLKLPLQELPNQAS | 200 |
| | : | :: : : : : : : : :::: : | |
| Db | 103 | YEGNLLEAGLE---RDEDTKIHGVGFVKIHAPWNVLCREAEFLKLKMPTKKMYH--I | 156 |

| | | | |
|----|-----|---|-----|
| Qy | 201 | NWSAGLLAWLGIPNVLLEVVPDVPPPEYYSCR-----FRVNKLPRFLGSDNQDTFF | 250 |
| | | : : :: : : : | |
| Pb | 157 | NETRGILIK--KINSVLOKITDRIOPRKVAEHRPOTMKRISYRESBEKOHLFDI SD-KDSEE | 213 |

21.1. NOBOVÉ EQUIPAMENTICKÝM DÍLOM VYKRESEKUJÍ VENCI CESTOVÝ DÍLOVÝ STÍL VELV. 270

| | | | |
|----|-----|--|-----|
| Db | 268 | NDRKLLYEEWARYGVFYKYQPIDLVRKYFGEKIGLYFAWLGVYTQMLIPASIVGIIVFLY | 327 |
| Qy | 371 | GCFLVFSIDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSACALAQAGRLFDHGGTVFFSLF | 429 |
| Db | 328 | GCATMDENIPSMEMCDQRHNITMCPLCDKTCSYWMSSACATARASHLFNDNPATVFFSVF | 387 |
| Qy | 430 | MALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAA----SAPMTAPNPITGED | 484 |
| Db | 388 | MALWAATFMEHWKRKQMRLNYRWDLTGEEEEEDHPRAEYEARVLEKSLKKESRNKET--D | 445 |
| Qy | 485 | EPYFPERSRARRMLAGSVVIVVMVAVVVMCLVISIILYRAIMAIIVVSRSGNTLLAAWASRI | 544 |
| Db | 446 | KVKLTWRDRFPAYLTNLVSIIFMIAVTFAIVLGVIYRISMAALAMNSSPSVRSNIRVT | 505 |
| Qy | 545 | ASLTGSVNLVFILILSKIVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPV | 604 |
| Db | 506 | VTATAVIIINLVVIILLDEVYGCiarwltkievpkteksfeerlifkaflLKfvnsytpif | 565 |
| Qy | 605 | YIAFFKGRFVGYPGNYHTLF-GVRNEE | 630 |
| Db | 566 | YVAFFKGRFVGPGDYVYIFRSFRMEE | 592 |

RESULT 5

US-09-270-767-45552

; Sequence 45552, Application US/09270767

; Patent No. 6703491

GENERAL INFORMATION:

; APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; CURRENT FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: Pate

; SEQ ID NO 45

; LENGTH: 425

; TYPE: PR

; ORGANISM: *Drosophila melanogaster*

FEATURE:

Query Match 16.1%; Score 796; DB 2; Length 425;
Best Local Similarity 41.1%; Pred. No. 3.2e-77;
Matches 171; Conservative 85; Mismatches 128; Indels 32; Gaps 9;

| | | | |
|----|-----|--|-----|
| Qy | 443 | RKSATLAYERWDCSDYEDTEERPRPQFAA---SAPMTAPNPITGEDEPYFP-ERSRARML | 498 |
| | | : : : :: : : : | |
| Db | 1 | RYSAEITHRWDLTGFDVHEEHPRPQYLARLEHIPPTRVDYVTNIKEPTVPFWRMKLPATV | 60 |
| Qy | 499 | AGSVVIVVMVAVVVMCLVSIIYRAIMAVVSRSGNTLLAAWASRIASLTGSVVNLVFIL | 558 |

| | | | |
|----|-----|---|-----|
| Db | 61 | FSFSVVLLIALAFVALLAVVVYRMSMLAALKVGASPMTTSSAIVLATASAAFVNLCLLY | 120 |
| Qy | 559 | ILSKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIGQFVNFYSSPVYIAFFKGRFVGYPG | 618 |
| Db | 121 | ILNYMYNHLAEYLTELEMWRTQTQFDDSLTLKIYLLQFVNYYASIFYIAFFKGKFKVGHPG | 180 |
| Qy | 619 | NYHTLFGVRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWWQKFRLRSKK | 678 |
| Db | 181 | EYNKLFDYRQECCSSGGCLTELCIQLAIIMVGKQAFNTILEVYLPM---FWRKV---LA | 233 |
| Qy | 679 | RKAGASAGASQGP-----WEDDYELVP--CEGLFDEYLEMVLQFGFVTIFVAAACPL | 727 |
| Db | 234 | IQVGLSRLFNNTPNPDKTDERWMRDFKLLDWGARGLFPEYLEMVLQYGFVTIFVAAFPL | 293 |
| Qy | 728 | APLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLLAFS | 787 |
| Db | 294 | APFFALLNNILEMRLDAKLLTHHKRPVSQRVRDIGWYRILDCIGKLSVITNGFIIAFT | 353 |
| Qy | 788 | SDFLPR-AYYRWTRAHDLRGFLNFTLAR----APSSFAAAHN---RTCRYRAFR | 833 |
| Db | 354 | SDMIPRLVRHVNKGTLGFLNFTLSEFKVIDSPTLYSLAGDLSNITTCRYTDFR | 409 |

RESULT 6

US-10-108-260A-3990

; Sequence 3990, Application US/10108260A

; Patent No. 7193069

GENERAL INFORMATION:

APPLICANT: HELIX RESEARCH INSTITUTE

; TITLE OF INVENTION: No. 7193069el full length cDNA

; FILE REFERENCE: H1-A0106

; CURRENT APPLICATION NUMBER: US/10/108,260A

; CURRENT FILING DATE: 2002-03-27

; NUMBER OF SEQ ID NOS: 5458

SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 3990

; LENGTH: 48

; TYPE: PRT

; ORGANISM: *Homo*

US-10-108-260A-3990

Query Match 13.8%; Score 684.5; DB 3; Length 483;
Best Local Similarity 35.1%; Pred. No. 6.3e-65;
Matches 171; Conservative 95; Mismatches 168; Indels 53; Gaps 14;

Qy 586 AFTLKVFIFQFVNFYSSPVYIAFFKGRVGYPGNYHTLFGV-RNEECAAGGCLIELAQEL 644
 ||::| || :|| :|||| || |::| | | :| || | ||::| ::
 Db 120 RFTIRFFTLQFFTHFSSLIYIAFILGRINGHPGKSTRLAGLWKLEECHASGCMMDFVQM 179

Qy 645 LVIMVGKQVINNMQEVLIPKLKGWWQKFRLRSKRKAGASAGASQGP---WEDDYELVP 700
 :|| || ::| | |::| | :|| :| | | :| | | :| | |
 Db 180 AIIMGLKQTLSNCVEYLVP----WVTHKCRS--LRASESGHLPDPELRDWRRNYLLNP 232

Qy 701 CE--GLFDEYLEMVLQFGFVTIFVAACPLAPLFAALLNNWEIRLDARKFVCEYRRPVAER 758
 ||||:||:||:|| | ||||| | |||| | | :| ||||| | | | || | :
 Db 233 VNTFSLFDEFMEMMIQYGFITFVAAFPLAPLLALFSNLVEIRLDAIKMVWLQRRLVPRK 292

Qy 759 AQDIGIWFHILAGLTHLAVISNAFLAFASSDFLPRAYYRW-----TRAHDLRGFL 808
 |:||| | :| : | |||:| ::||:|:|| |:: :| :| :| :| :| :| :| :| :|
 Db 293 AKDIGTWLQVLETIGVLAIVANGMVIATSEFIPRVVYKYRYSPLKEGNSTVDCLKGYV 352

Qy 809 NFTLA-----RAPSSFAAAHNRT-CRYRAFRD-DDGHYSQTYWNLLAIRLAFVIVFEH 859
 | :|: : | : | | | | :| | :|:| :| | | | | | :| :|
 Db 353 NHSLSVFHTKDFQDPDGIEGSENVTLCRYRDYRNPPDYNFSEQFWFLLAIRLAFVILFEH 412

Qy 860 VVFSVGRLLDLLVPDIPESVEIKV-KREYYLAKQALAENEVLFGTNGTKDEQPKGSELSS 918
 | : : | |||:|: | | :| :| :| :| :| :| :| :| :| :|
 Db 413 VALCIKLIAAWFVPDIPQSVKNKVLEVKYQRLREKMWHGRQRLGGVGAGSRPP---MPA 468

Qy 919 HWTPFTV 925
 | || ::
 Db 469 HPTPASI 475

RESULT 7

US-10-108-260A-3644

; Sequence 3644, Application US/10108260A
 ; Patent No. 7193069
 ; GENERAL INFORMATION:
 ; APPLICANT: HELIX RESEARCH INSTITUTE
 ; TITLE OF INVENTION: No. 7193069el full length cDNA
 ; FILE REFERENCE: H1-A0106
 ; CURRENT APPLICATION NUMBER: US/10/108,260A
 ; CURRENT FILING DATE: 2002-03-27
 ; NUMBER OF SEQ ID NOS: 5458
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3644
 ; LENGTH: 660
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-108-260A-3644

Query Match 12.0%; Score 594.5; DB 3; Length 660;
 Best Local Similarity 24.1%; Pred. No. 7.7e-55;
 Matches 171; Conservative 122; Mismatches 231; Indels 185; Gaps 20;

Qy 228 YSCRFRVNKLPRFLG-SDNQDTFFTSTKRHQILFEILAKTPYGHENKNLLG----- 277

| | | | |
|----|-----|---|-----|
| Db | 100 | FTYRTRQN---FKGFDDNNDDFLTMAECQFII-----KHELENRAKDEKMPIGY | 146 |
| Qy | 278 | -----IHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRQVLFQHW-ARWGK | 325 |
| Db | 147 | PQAKLYPGKSLLRRLLTSGIVIQVFPLHDS-----EALKKLEDTWYTRFAL | 192 |
| Qy | 326 | WNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLPAAVGTLVFLVGCLVFSDIPTQELC | 385 |
| Db | 193 | --KYQPIIDSIRGYFGETIALYFGFLEYFTFALIPMAVIG----- | 229 |
| Qy | 386 | GSKDSFEMCPLCLDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMALWAVLLEYWKRKS | 445 |
| Db | 230 | -----LPYYLFWWE-----DYDKYVIFASFNLIWSTVILELWKRC | 265 |
| Qy | 446 | ATLAYRWDCSDYEDTEERPRPQFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVIV | 505 |
| Db | 266 | ANMTYRWGTLLMKRKFEEPRPGFHG---VLGINSITGKEEPLYPSYKRQLRIYLVSLPFV | 322 |
| Qy | 506 | VMVAVVVMCLVSIILYRAIMAIIVSRSGNTLLAAWASRIASLTGSVNVLFILILSKIYV | 565 |
| Db | 323 | CLCLYFSLYVMMIYFDMEVWALGLHENSG---SEWTS-VLLYVPSIYIAIVIEIMNRLYR | 378 |
| Qy | 566 | SLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFG | 625 |
| Db | 379 | YAAEFLTSWENHRLESAYQNHILIKVLVFNFNCASLFYIAFV----- | 422 |
| Qy | 626 | VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWW--QKFRLRSKKRKAGA | 683 |
| Db | 423 | LKDMKL-----LRQSLATLLITSQILNQIMESFLP---YWLQRKHGVRVKRKVQAL | 470 |
| Qy | 684 | SAGASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFAALLNNWVEI | 740 |
| Db | 471 | KADIDATLYEQVILEKEMGTYLGTDDYLELFLQFGYVSLFSCVYPLAAFAVLNNFTEV | 530 |
| Qy | 741 | RLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRWT | 800 |
| Db | 531 | NSDALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQV--NAVFPESK | 588 |
| Qy | 801 | AHDLRGFLNFTLARAPSSFAAHNRTCRYRAFRDDDGHYSQTYWNLLAIRLAFVIVFEHV | 860 |
| Db | 589 | A-DL-----ILIVVAVEHA | 601 |
| Qy | 861 | VFSVGRLLLVVDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDE | 909 |
| Db | 602 | LLALKFILAFIAIPDKPRHIQMKLARLEFESLEALKQQQMKLVTENLKEE | 650 |

RESULT 8

US-10-100-683-7209

; Sequence 7209, Application US/10100683

Patent No. 7368531

GENERAL INFORMATION:

; APPLICANT: Rosen, et al.
 ; TITLE OF INVENTION: Human Secreted Proteins
 ; FILE REFERENCE: PS900
 ; CURRENT APPLICATION NUMBER: US/10/100,683
 ; CURRENT FILING DATE: 2002-03-19
 ; PRIOR APPLICATION NUMBER: US 60/040,162
 ; PRIOR FILING DATE: 1997-03-07
 ; PRIOR APPLICATION NUMBER: US 60/043,576
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,601
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,845
 ; PRIOR FILING DATE: 1997-08-22
 ; PRIOR APPLICATION NUMBER: US 60/043,580
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,599
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,664
 ; PRIOR FILING DATE: 1997-08-22
 ; PRIOR APPLICATION NUMBER: US 60/043,314
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,632
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,892
 ; PRIOR FILING DATE: 1997-08-22
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 13468
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 7209
 ; LENGTH: 257
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-100-683-7209

Query Match 9.2%; Score 455.5; DB 3; Length 257;
 Best Local Similarity 42.2%; Pred. No. 2.4e-40;
 Matches 108; Conservative 41; Mismatches 56; Indels 51; Gaps 9;

Qy 709 LEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHI 768
 :||:|||||:|||: ||||||| :|||||:||| | ||||| ||:|||||:|||
 Db 1 MEMI IQFGFVTLFVASFPLAPLFALLNNIEIRLDAAKKFVTELRRPVAVRAKDIGIWINI 60

Qy 769 LAGLTHLAVISNAFLAFLSSDFLPRA--YYRWTRAHDLRGFLNFTLARAPSSF----- 819
 | |: ||| | |||:|||:|||:||| | ::: : |||:| ||| |||
 Db 61 LRGIGKLAVIINAFVISFTSDFIPRLVYLYMYSKNGTMHGFVNHTL---SSFNVSDFQN 116

Qy 820 AAAHN-----RTCRYRAFRD--DDGHY--SQTYWNLLAIRLAFVIVFEHVVFSVG 865
 | | : |||: :|: : | | :| :|| | ||| |||:|| :| :|
 Db 117 GTAPNDPLDLGYEVQICRYKDYREPPWSENKYDISKDFWAVLAARLAFVIVFQNLVMFMS 176

Qy 866 RLLDLLVPDIPESVEIKVKREYYLA-----KQALAEENEVLFGTNGTKDEQP--- 911
 :| ::|||: : :: :| | ||| | | |||
 Db 177 DFVDWVIPDIPKDISQQIHKEKVLVELFMREEQDKQQLL--ETWMEKERQKDEPPCNHH 234

Qy 912 -----KGSELSSH 919
 || ||
 Db 235 NTKACPDSLGPAPSH 250

RESULT 9

US-11-001-793-7209

; Sequence 7209, Application US/11001793
 ; Patent No. 7411051
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen, et al.
 ; TITLE OF INVENTION: Human Secreted Proteins
 ; FILE REFERENCE: PS900
 ; CURRENT APPLICATION NUMBER: US/11/001,793
 ; CURRENT FILING DATE: 2004-12-02
 ; PRIOR APPLICATION NUMBER: US/10/100,683
 ; PRIOR FILING DATE: 2002-03-19
 ; PRIOR APPLICATION NUMBER: US 60/040,162
 ; PRIOR FILING DATE: 1997-03-07
 ; PRIOR APPLICATION NUMBER: US 60/043,576
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,601
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,845
 ; PRIOR FILING DATE: 1997-08-22
 ; PRIOR APPLICATION NUMBER: US 60/043,580
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,599
 ; PRIOR FILING DATE: 1997-05-23
 ; PRIOR APPLICATION NUMBER: US 60/056,664
 ; PRIOR FILING DATE: 1997-08-22
 ; PRIOR APPLICATION NUMBER: US 60/043,314
 ; PRIOR FILING DATE: 1997-04-11
 ; PRIOR APPLICATION NUMBER: US 60/047,632
 ; PRIOR FILING DATE: 1997-05-23
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 13468
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 7209
 ; LENGTH: 257
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-11-001-793-7209

Query Match 9.2%; Score 455.5; DB 3; Length 257;
 Best Local Similarity 42.2%; Pred. No. 2.4e-40;
 Matches 108; Conservative 41; Mismatches 56; Indels 51; Gaps 9;

Qy 709 LEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHI 768
 :||:|||:|||:|||: |||||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 1 MEMIIQFGFVTLFVASFPLAPLFALLNNIIEIRLDAKKFVTELRRPVAVRAKDIGIWYNI 60

Db 58 CLYFSLYVMMIYFDMEVWALGLHENSG---SEWTS-VLLYVPSIIYAIIVIEIMNRLYRYA 113

Qy 568 AHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGVR 627
| || || || :: ::: ||| :| |:| ::| ||| :::
Db 114 AEFLTSWENHRLESAYQNHLILKVLVFNFLNCASLFYIAFV-----LK 157

Qy 628 NEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWW--QKFRLRSKKRKAGASA 685
: : | | | ::: |::| :| :| :| :| :| |::| |:
Db 158 DMKL-----LRQSLATLLITSQILNQIMESFLP---YWLQRKHGVRVKRKVQALK 205

Qy 686 GASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFAALLNNWVEIRL 742
:| :| :| | ||:||:| ||||:|::| | || | ||:||:|:
Db 206 DIDATLYEQVILEKEMGTYLGTFFDDYLELFLQFGYVSLFSCVYPLAAFAVLNNFTEVNS 265

Qy 743 DARKFVCEYRRPVAERAQDIGIWPHILAGLTHLAVISNAFLAFLSSDFLPRAYRWTRAH 802
|| | ::|| :| : :||:| :: ::|::| |:| | : ::|
Db 266 DALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQV--NAVFPESKA- 322

Qy 803 DLRGFLNFTLARAPSSFAAAHNRTCRYRAFRDDDGHSQTYWNLLAIRLAFVIVFEHVVF 862
|| :| :|| | :::|:| :| : :|| : ::| | :|:
Db 323 DL-----ILIVVAVEHALL 336

Qy 863 SVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDE 909
:| :| :|| | :::|:| :| : :|| : ::| | :|:
Db 337 ALKFILAFALIPDKPRHIQMKLARLEFESLEALKQQQMKLVTENLKEE 383

RESULT 11

US-10-643-836-457

; Sequence 457, Application US/10643836

; Patent No. 7271243

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, Jean Baptiste

; APPLICANT: Bougueleret, Lydie

; APPLICANT: Jobert, Severin

; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS

; FILE REFERENCE: 78.US3.REG

; CURRENT APPLICATION NUMBER: US/10/643,836

; CURRENT FILING DATE: 2003-08-19

; PRIOR APPLICATION NUMBER: US/09/731,872

; PRIOR FILING DATE: 2000-12-07

; PRIOR APPLICATION NUMBER: US 60/169,629

; PRIOR FILING DATE: 1999-12-08

; PRIOR APPLICATION NUMBER: US 60/187,470

; PRIOR FILING DATE: 2000-03-06

; NUMBER OF SEQ ID NOS: 482

; SOFTWARE: Patent.pm

; SEQ ID NO 457

; LENGTH: 393

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-643-836-457

RESULT 12
US-09-270-767-61064
; Sequence 61064, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61064
; LENGTH: 215
; TYPE: PRT
; ORGANISM: Drosophila melanogaster

US-09-270-767-61064

```

Query Match           8.0%;  Score 396.5;  DB 2;  Length 215;
Best Local Similarity 43.2%;  Pred. No. 5e-34;
Matches 89;  Conservative 36;  Mismatches 54;  Indels 27;  Gaps 6;

Qy      648 MVGKQVINNMQEVLIPKLKGWWQKFRRLRSKKRKAGASAGASQGP-----WEDDYEL 698
          |||||  | : || :|      :||:|      : | | : |           | |::|
Db      1 MVGKQAFNTILEVYLPM---FWRKV---LAIQVGLSRLFNNTPNPDTKDERWMRDFKL 53

Qy      699 VP--CEGLFDEYLEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVA 756
          :      ||| |||||||:||||||| |||| ||||||| :|||:|||: : ::|||:
Db      54 LDWGARGLFPEYLEMVLQYGFVTIFVAAFPLAPFFALLNNILEMRLDAKLLTHHKRPVS 113

Qy      757 ERAQDIGIWPHILAGLTHLAVISNAFLAFASSDFLPRAYYRWTRAHDLRGFLNFTLAR-- 814
          :| :|||:|:|| : |:||:| |::||:|| :|| :| | |:|||:|
Db      114 QRVRDIGHWYRILDCIGKLSVTNGFIIAFTSDMIPRLVRHVNKGTLGYNFTLSEFK 173

Qy      815 ---APSSFAAAHN---RTCRYRAFR 833
          :|: :: | : | ||| | |
Db      174 VIDSPHTLYSLAGDLSNITTCRYTDFR 199

```

RESULT 13

US-09-270-767-32253

Sequence 32253, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*

; FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ TD NOS: 62517

SOFTWARE: PatentIn Ver. 2.0

SEQ TD NO 32253

• LENGTH • 366

TYPE: PBT

ORGANISM: *Drosophila melanogaster*

ORGANIZATION: B1033

```

Query Match           7.1%;  Score 353;  DB 2;  Length 366;
Best Local Similarity 32.4%;  Pred. No. 7.3e-29;
Matches 95;  Conservative 56;  Mismatches 104;  Indels 38;  Gaps 9;

Qy      108 RIADFVLVWEEDLKLDRQQDSAARDRTDMHRT-WRETFLDNLRAAGLCVD--QQDVQDG 164
          | |||| : : | : |:: | | | || : || | : | : |
Db      93 RSIDFVLAYRIN-----AHEPTELENTEKRRVFEANLISQGLEVESSQKD---- 137

Qy      165 TTVHYALLSASAWVLCYYAEDLRLKLPLQELPNQASNWSAGLLAWLGIPNVL----LE 218
          : : : | || | | : | : | : | : | : : | : : : | : :
Db      138 -QIWFVKIHAPLEVLRYYAEILKLRMPMKEIPGMSVNRSTKSVFSSLKHVFQFFLRNIY 196

```

Qy 219 VVPDVPPEYYSCRFRV--NKLPRFLGSDNQDTFFTSTKRHQILFEIL--AKTPYGHEKKN 274
 | :: | : || :: : | || || | : | : || : | ::
 Db 197 VDEEIFPK-RAHRFTAIYSRDKEYLFDIRQDCFFTTAVRSRIVEFILDRQRFPNAKNQHDM 255

Qy 275 LLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRQVLFQHWRWGKWNKYQPLDH 334
 | : | : || || | : || | : || : || : || | : || |
 Db 256 AFGIERLIAEGVYSAAYPLHDGEITETG-----TMRALLYKHWASVPKWYRYQPLDD 307

Qy 335 VRRYFGEKVALYFAWLGFYTGWLLPAAVGTLVFLVGCFLVFSDIPTQELCGS 387
 | : | | | : | : || | : || | : || | : : | : : | |
 Db 308 IKEYFGVKIGLYFAWLGYTYMLLASIVVICFLYSWFSLKNYVPVKDICQS 360

RESULT 14

US-09-270-767-47470

; Sequence 47470, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

; APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; CURRENT FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 47470

; LENGTH: 366

; TYPE: PRT

; ORGANISM: *Drosophila melanogaster*

US-09-270-767-47470

Query Match 7.1%; Score 353; DB 2; Length 366;
 Best Local Similarity 32.4%; Pred. No. 7.3e-29;
 Matches 95; Conservative 56; Mismatches 104; Indels 38; Gaps 9;

Qy 108 RIADFVLVWEEDLKLDRQQDSAARDRTDMHRT-WRETFLDNLRAAGLCVD--QQDVQDGN 164
 | | || : : | : | : | | | | : || | : | : |
 Db 93 RSIDFVLAYRIN-----AHEPTELENTEKRRVFEANLISQGLEVESSQKD---- 137

Qy 165 TTVHYALLSASWAVALCYYAEDLRLKLPLQELPNQASNWSAGLLAWLGINPVL-----LE 218
 : : : | | | | : | : | : | : | : | : | : | : | : | : |
 Db 138 -QIWFVKIHAPLEVRLRRYAEILKLRMPMKEIPGMSVNRSTKSVFSSLKHFQFFLRNIY 196

Qy 219 VVPDVPPEYYSCRFRV--NKLPRFLGSDNQDTFFTSTKRHQILFEIL--AKTPYGHEKKN 274
 | :: | : || :: : | || || | : | : || : | ::
 Db 197 VDEEIFPK-RAHRFTAIYSRDKEYLFDIRQDCFFTTAVRSRIVEFILDRQRFPNAKNQHDM 255

Qy 275 LLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRQVLFQHWRWGKWNKYQPLDH 334
 | : | : || || | : || | : || : || | : || |
 Db 256 AFGIERLIAEGVYSAAYPLHDGEITETG-----TMRALLYKHWASVPKWYRYQPLDD 307

Qy 335 VRRYFGEKVALYFAWLGFYTGWLLPAAVGTLVFLVGCFLVFSDIPTQELCGS 387
 | : | | | : | : || | : || | : || | : : | : : | |

Db 308 IKEYFGVKIGLYFAWLGYYTMLLLASIVGVICFLYSWFSLKNYVPVKDICQS 360

RESULT 15

US-09-270-767-31816

; Sequence 31816, Application US/09270767

; Patent No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; CURRENT FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 62517

SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 31816

; LENGTH: 189

; TYPE: PRT

ORGANISM: *Drosophila melanogaster*

US=09=270=767=31816

Query Match 5.9%; Score 290; DB 2; Length 189;
Best Local Similarity 37.8%; Pred. No. 1.8e-22;
Matches 62; Conservative 25; Mismatches 59; Indels 18; Gaps 4;

Qy 249 FFTSTKRHQILFEILAKTPY--GHEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQ 306

Qy 307 APRLNQRQVLFQHWARWGKWNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTL 366

Ph 8.8 KDPBDBILKEWANTSKWKNLQBLDOLIKDVEGAKVALVEAWI, CEWTOMI, LBLISVEGVU 144

QY 367 VFLVGCFLVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSAC 409

Pb 145 GEIYCEITWNSDRISRDIGRDNCII MCGROGDRSGDYWRI NETG 187

Search completed: October 1, 2008, 12:55:52

Job time : 588 secs